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DIRECT TESTIMONY

OF

JEFFREY B. ARCHIE

ON BEHALF OF

SOUTH CAROLINA ELECTRIC & GAS COMPANY

DOCKET NO. 2002-002-E

**Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND POSITION WITHIN
SOUTH CAROLINA ELECTRIC AND GAS COMPANY (SCE&G).**

A. My name is Jeffrey B. Archie. My business address is P.O. Box 88, Jenkinsville, South Carolina. I am employed by SCE&G as a General Manager and am currently the General Manager of Engineering Services at the Virgil C. Summer Nuclear Station (VCSNS).

**Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND
PROFESSIONAL EXPERIENCE.**

A. I received a BS degree in Mechanical Engineering from the University of South Carolina in 1981. I also completed VC Summer's Senior Reactor Operator Certification training program in 1996.

As for my professional experience, my entire career has been spent at VC Summer Nuclear Station working in a number of different capacities. Some of the significant opportunities I have had during my career include my involvement with the Steam Generator Change-out Project from 1990 to 1995. During this major evolution, I worked as one of six Coordinators supporting the replacement of our Westinghouse D-3 Steam Generators. I served as the Station's Refuel 10 Outage Manager from 1996 to 1998. I worked as the Manager of

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1 Planning and Scheduling from 1998 to 2001. Finally, I was promoted to General Manager in
2 April 2001.

3 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

4 A. The purpose of my testimony is to review the operating performance of the VCSNS during
5 the period from March 1, 2001, through February 28, 2002.

6 **Q. WHAT ARE YOUR OBJECTIVES IN THE OPERATION OF VCSNS?**

7 A. At VCSNS we strive for excellence in all phases of operation of the facility. Our primary
8 objectives are to operate the plant safely and reliably while producing electricity at a
9 competitive cost. Nuclear safety is always a major focus. We continuously meet or exceed
10 all Nuclear Regulatory Commission (NRC) requirements and Institute of Nuclear Power
11 Operations (INPO) standards. Our business objectives are focused on maintaining a
12 competitive production cost for the generation of electricity using nuclear fuel. In our 2001
13 evaluation by INPO, we were identified as having an effective in-house nuclear fuel
14 management organization. We were also credited with developing a close partnering
15 relationship with the fuel vendor, which has resulted in fuel management improvements as
16 well as timely implementation of new fuel technology.

17 **Q. WHAT HAS BEEN THE COMPANY'S EXPERIENCE WITH THE**
18 **PERFORMANCE OF THE VCSNS?**

19 A. VCSNS has performed well during the period from March 1, 2001, through February 28,
20 2002. The net capacity factor for the plant during this period excluding planned refueling
21 outage activities, planned power reductions, and other reasonable reduced power operations
22 activities was 96.2 %.

23 **Q. WHEN WILL THE NEXT REFUELING OUTAGE OCCUR?**

1 A. The next refueling outage is planned for the period from April 19, 2002 to May 23, 2002.

2 **Q. WHAT IS YOUR CURRENT RANKING BY THE NRC AND INPO?**

3 A. INPO is a nonprofit corporation established by the nuclear industry to promote the highest
4 levels of nuclear safety and plant reliability. INPO promotes excellence in the industry in
5 the operation of nuclear electric generating plants. VCSNS was ranked an INPO 2 for this
6 reporting period. An INPO 2 rating denotes that a plant's overall performance is exemplary,
7 industry standards of excellence are met in many areas, and that no significant weaknesses
8 are identified.

9 VCSNS was also rated within the Licensee Response Column of the NRC's Action Matrix,
10 which denotes the NRC's most favorable rating level for a nuclear power plant. This rating
11 was based on all inspection findings being classified as having very low safety significance
12 and all Performance Indicators at a level requiring no additional NRC oversight during the
13 review period. Due to this rating, the NRC currently implements only its baseline inspection
14 program at VCSNS.

15 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

16 A. Yes.

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